

ABSTRACT OF THE DISCLOSURE

A liquid crystal display device includes a substrate, a gate electrode disposed on the substrate, a gate pad disposed on the substrate, an insulating film disposed on the gate electrode and the gate pad, an active layer disposed on the insulating film above the gate electrode, an ohmic contact layer disposed on portions of the active layer, a source electrode and a drain electrode disposed on the ohmic contact layer, a passivation layer disposed on the source and drain electrodes, a pixel electrode disposed on the passivation layer and contacting the drain electrode, and a transparent electrode disposed on the passivation layer and contacts the gate pad, wherein the gate electrode and the gate pad both include a first layer formed of a first metal and a second layer formed of an alloy of the first metal and a second metal disposed at an upper surface of the first layer.